To evaluate the effect of soil residual PRE herbicides followed by tank mixture of
B12310 Valor XLT565 dicamba A + 565+ 454 Fierce XLT12XtendiMax9PRE herbicides generally lose their residual activity in the soil 2
October in the Midwestern and southern U.S. which makes it difficult to control in
farm near Carleton, NE. US. A Palmer amaranth biotype was reported resistant to glyphosate on a grower’s
rainfed conditions without any irrigation facility and reduced late-season Palmer amaranth
emergence occurred at the site this year which might have resulted in no difference in control or soybean yield when overlapping residual herbicides were tank-mixed with foliar active POST herbicides.
Control of glyphosate-resistant Palmer amaranth in gr-soybean requires multiple modes of action throughout the growing season.
A similar trial will be performed in 2019 at the same location.